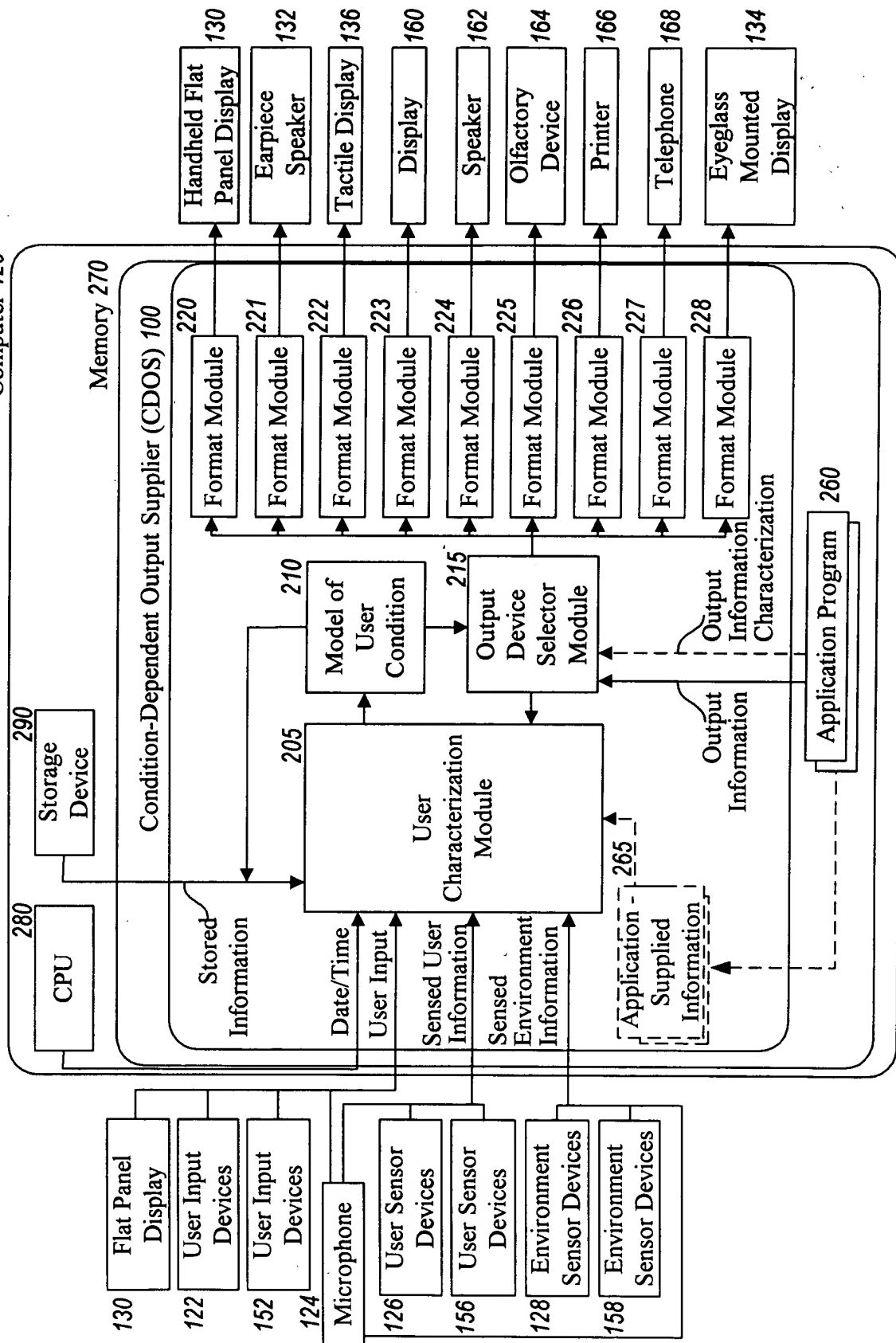


Fig. 1

Fig. 2

Body Mounted  
Computer 120



**Fig. 3**

Model of User Condition

210

User: X Time: 14:22 Date 10/15/XX		
Latitude	37°55.3' N	
Longitude	95°24.7' W	
Altitude	102'	
Heart Rate	57 beats/minute	
Blood Pressure	125 / 80	
Last User Input	Voice Command "Stop Recording"	
Ambient Temperature	67°F	
Ambient Noise	20 dB	
Location	Office	
Speed	2 MPH	+/- 10%
Nearby Objects	Desk	
Nearby People	Physical: None. Audio: "Doug Smith"	
User Activity	Talking on Cell Phone, Walking	Highly Likely
Cognitive Load	77	
Level of Privacy	Company, Executive	
Scope of Audience	Self	
Application X-Factor 1	Normal: Mean-23, Std Dev 3	
User Format Preference	Visual > Auditory	
User Device Preference	Eyeglass Mounted Display	

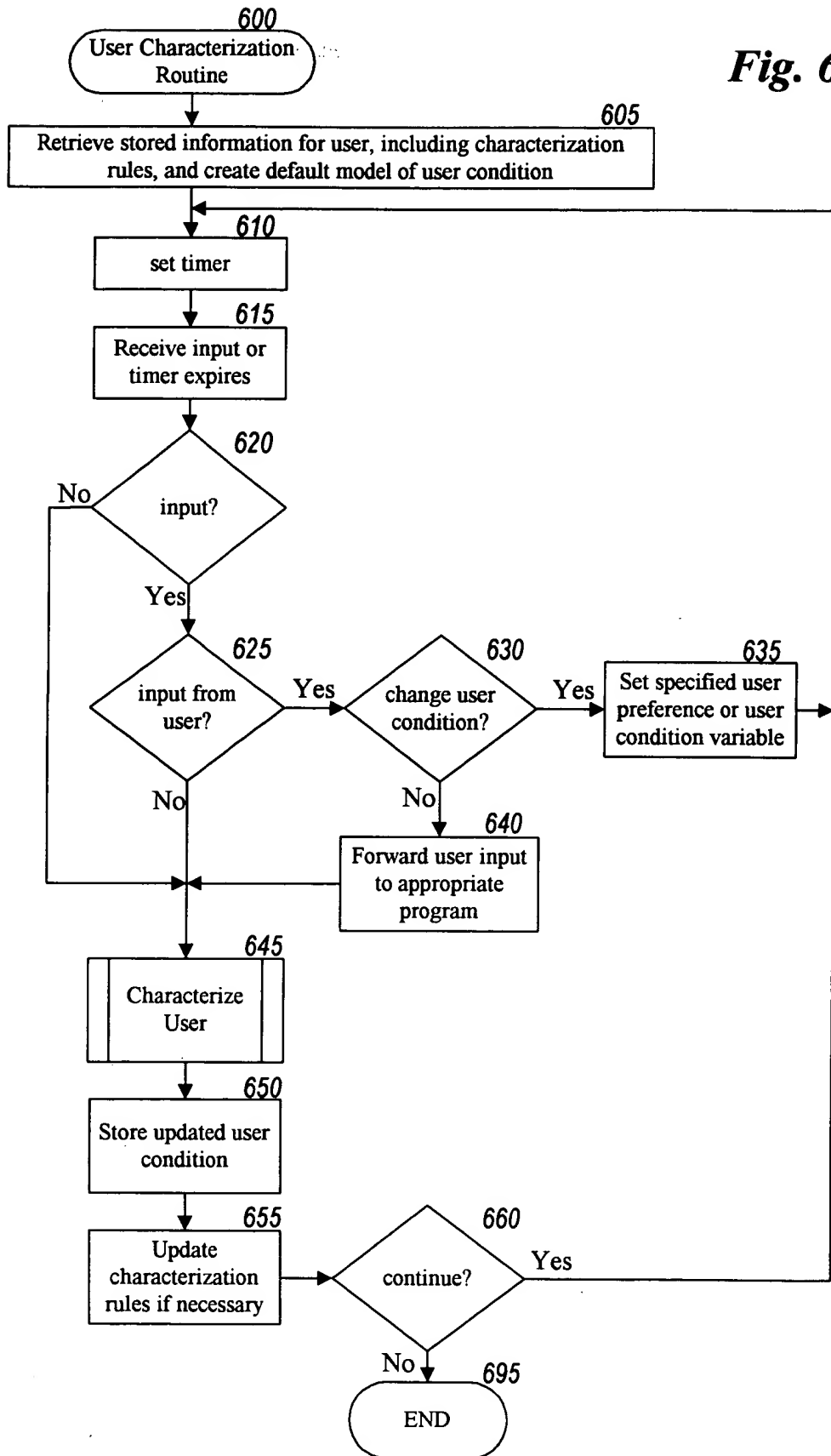
**Fig. 4**

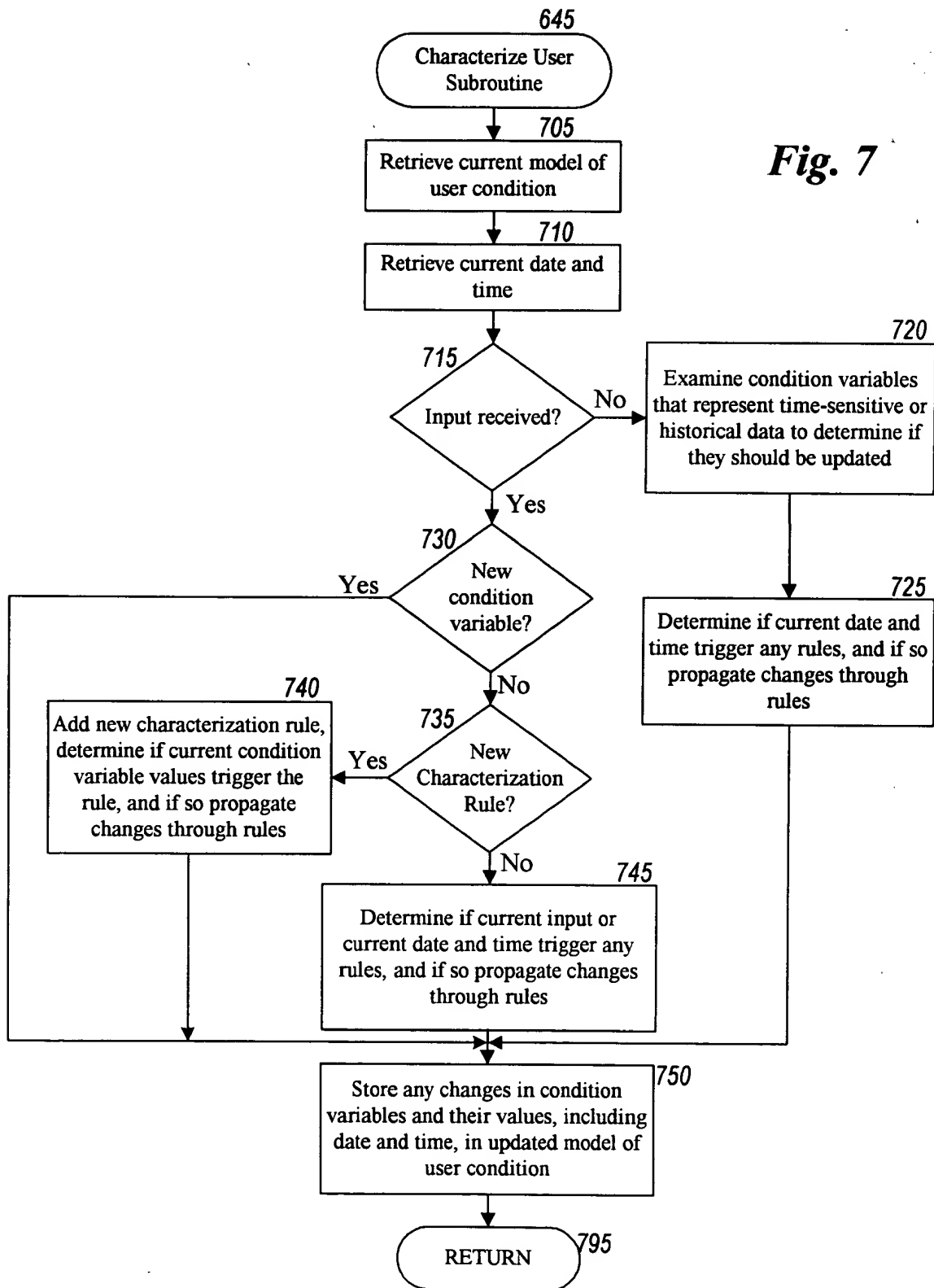
User Characterization Module 205

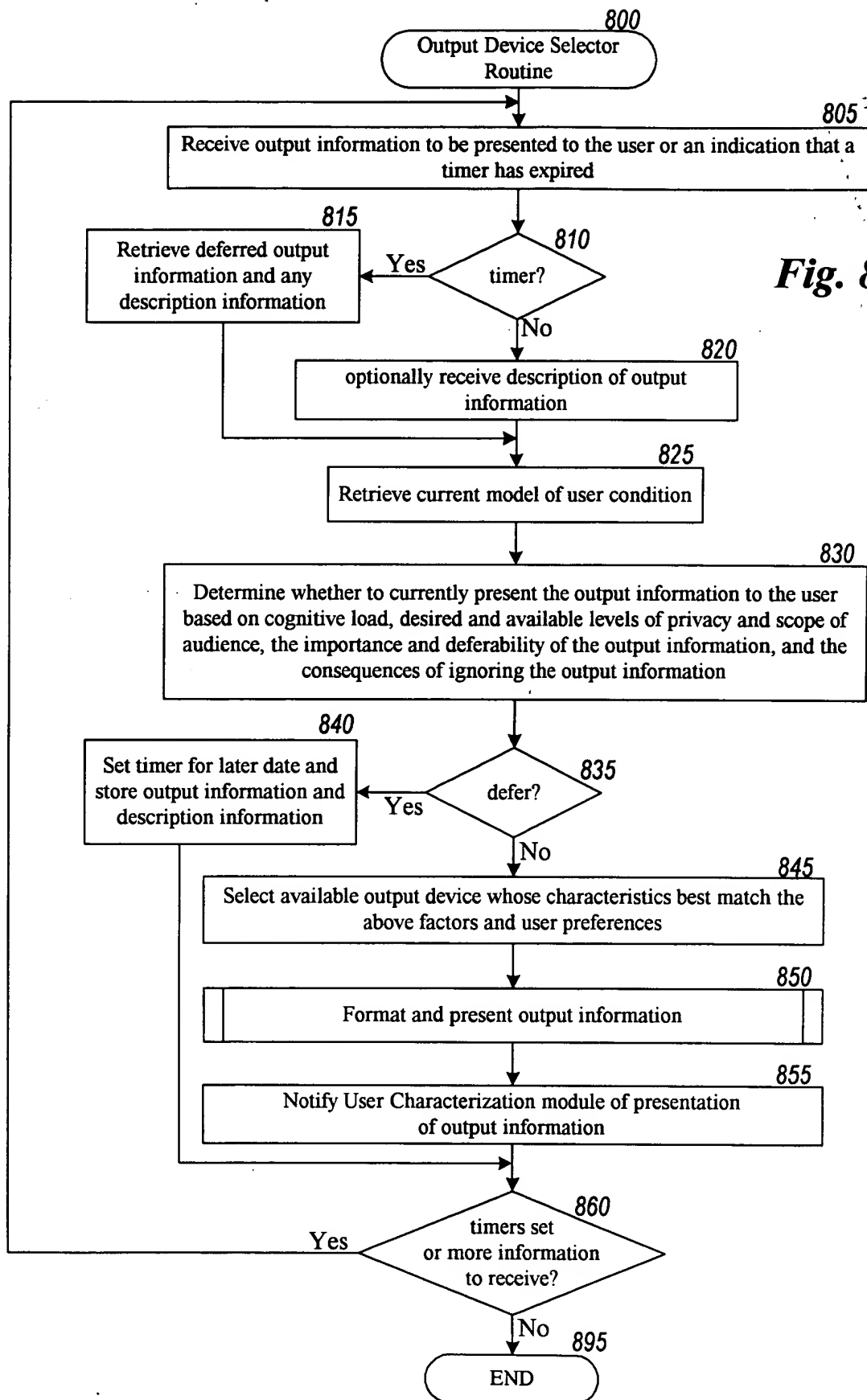
User: X	
IF	<Latitude> ≈ "37°55.2'N" AND <Longitude> ≈ "95°24.7'W" THEN <Location> = "Office"
IF	<Infrared.Link.To.Desktop> = True THEN <Nearby.Objects> Includes "Desk"
IF	<Voice.Recognition.ID> <> "X" AND <Speakerphone.Status> = "Disabled" THEN <Nearby.People> Includes ValueOf <Voice.Recognition.ID>
IF	<Desktop.Motion.Sensor.Human.Movement> = True AND <User.Activity> Includes "Seated" THEN <Nearby.People.Physical> Includes "Unidentified Person"
IF	<User.Activity> = "Walking" THEN <Cognitive.Load> = 20
IF	<User.Activity> = "Talking *" THEN <Cognitive.Load> = 55
IF	<User.Activity> Includes "Walking" AND <User.Activity> Includes "Talking On Cell Phone" THEN <Cognitive.Load> = 77
WHILE	<Output.To.User> = True THEN <Cognitive.Load> = +10
WHILE	<User.Mood> Includes "Angry" THEN <Cognitive.Load> = +20%
IF	<Nearby.People.*> Includes Only [Company Executives] THEN <Level.Of.Privacy> Includes "Executive"
IF	<Nearby.People.*> Includes Only [Company Employees] THEN <Level.Of.Privacy> Includes "Company"
IF	<Nearby.People.Physical> = "None" THEN <Scope.of.Audience> = "Self"
IF	<Output.Intrusive.To.Others> = "Likely" THEN <Scope.of.Audience> = "Self"
AppX:IF	<Application.X-Factor 1.Mean> > 25 THEN <Application.X.Output> = "Undesired" WITH Likelihood "Likely"
IF	(<Current.Time> - <Time.Of.Last.User.Input>) > 5 minutes THEN <Interacting.With.Computer> = False WITH Likelihood "Somewhat Likely"



Fig. 6







**Fig. 8**



**Fig. 9**

